

SEQCRF_0508-1147_Examiner_Amdt
SEQUENCE LISTING

<110> BURNOUF, Dominique, Yves, Joel
WAGNER, Jerome, Edouard
DUMAS, Philippe
FUJII, Shingo
FUCHS, Robert, Pierre, Paul
OLIERIC, Vincent

<120> PROTEIN CRYSTAL COMPRISING THE PROCESSIVITY CLAMP FACTOR
OF DNA POLYMERASE AND A LIGAND, AND ITS USES

<130> 0508-1147

<140> US 10/561,867

<141> 2006-07-06

<150> PCT/EP2004/006942

<151> 2004-06-25

<150> EP 03291596.9

<151> 2003-06-27

<160> 6

<170> PatentIn version 3.5

<210> 1

<211> 16

<212> PRT

<213> Escherichia coli

<400> 1

Val Thr Leu Leu Asp Pro Gln Met Glu Arg Gln Leu Val Leu Gly Leu
1 5 10 15

<210> 2

<211> 22

<212> PRT

<213> Artificial sequence

<220>

<223> synthetic peptide

<400> 2

Arg Pro Val Lys Val Thr Pro Asn Gly Ala Glu Asp Glu Ser Ala Glu
1 5 10 15

Ala Phe Pro Leu Glu Phe
20

<210> 3

<211> 30

<212> DNA

<213> Artificial sequence

<220>

<223> synthetic oligonucleotide - Primer for replication assay
Page 1

SEQCRF_0508-1147_Examiner_Amdt

<400> 3
gtaaaacgac ggccagtgcc aagcttagtc 30

<210> 4
<211> 90
<212> DNA
<213> Artificial sequence

<220>
<223> synthetic oligonucleotide - template for replication assay

<400> 4
ccatgattac gaattcagtc atcaccggcg ccacagacta agcttggcac tggccgtcgt 60
tttacaacgt cgtgactggg aaaaccctgg 90

<210> 5
<211> 366
<212> PRT
<213> Escherichia coli

<400> 5
Met Lys Phe Thr Val Glu Arg Glu His Leu Leu Lys Pro Leu Gln Gln
1 5 10 15

Val Ser Gly Pro Leu Gly Gly Arg Pro Thr Leu Pro Ile Leu Gly Asn
20 25 30

Leu Leu Leu Gln Val Ala Asp Gly Thr Leu Ser Leu Thr Gly Thr Asp
35 40 45

Leu Glu Met Glu Met Val Ala Arg Val Ala Leu Val Gln Pro His Glu
50 55 60

Pro Gly Ala Thr Thr Val Pro Ala Arg Lys Phe Phe Asp Ile Cys Arg
65 70 75 80

Gly Leu Pro Glu Gly Ala Glu Ile Ala Val Gln Leu Glu Gly Glu Arg
85 90 95

Met Leu Val Arg Ser Gly Arg Ser Arg Phe Ser Leu Ser Thr Leu Pro
100 105 110

Ala Ala Asp Phe Pro Asn Leu Asp Asp Trp Gln Ser Glu Val Glu Phe
115 120 125

Thr Leu Pro Gln Ala Thr Met Lys Arg Leu Ile Glu Ala Thr Gln Phe
130 135 140

Ser Met Ala His Gln Asp Val Arg Tyr Tyr Leu Asn Gly Met Leu Phe
Page 2

SEQCRF_0508-1147_Examiner_Amdt																		
145						150						155						160
Glu	Thr	Glu	Gly	Glu	Glu	Leu	Arg	Thr	Val	Ala	Thr	Asp	Gly	His	Arg			
				165					170					175				
Leu	Ala	Val	Cys	Ser	Met	Pro	Ile	Gly	Gln	Ser	Leu	Pro	Ser	His	Ser			
			180				185				190							
Val	Ile	Val	Pro	Arg	Lys	Gly	Val	Ile	Glu	Leu	Met	Arg	Met	Leu	Asp			
		195			200			205			210			215				
Gly	Gly	Asp	Asn	Pro	Leu	Arg	Val	Gln	Ile	Gly	Ser	Asn	Asn	Ile	Arg			
		210			215			220			225			230				
Ala	His	Val	Gly	Asp	Phe	Ile	Phe	Thr	Ser	Lys	Leu	Val	Asp	Gly	Arg			
		225			230			235			240			245				
Phe	Pro	Asp	Tyr	Arg	Arg	Val	Leu	Pro	Lys	Asn	Pro	Asp	Lys	His	Leu			
			245				250				255							
Glu	Ala	Gly	Cys	Asp	Leu	Leu	Lys	Gln	Ala	Phe	Ala	Arg	Ala	Ala	Ile			
		260			265			270			275			280				
Leu	Ser	Asn	Glu	Lys	Phe	Arg	Gly	Val	Arg	Leu	Tyr	Val	Ser	Glu	Asn			
		275			280			285			290			295				
Gln	Leu	Lys	Ile	Thr	Ala	Asn	Asn	Pro	Glu	Gln	Glu	Glu	Ala	Glu	Glu			
		290			295			300			305			310				
Ile	Leu	Asp	Val	Thr	Tyr	Ser	Gly	Ala	Glu	Met	Glu	Ile	Gly	Phe	Asn			
		305			310			315			320			325				
Val	Ser	Tyr	Val	Leu	Asp	Val	Leu	Asn	Ala	Leu	Lys	Cys	Glu	Asn	Val			
			325				330				335							
Arg	Met	Met	Leu	Thr	Asp	Ser	Val	Ser	Ser	Val	Gln	Ile	Glu	Asp	Ala			
		340			345			350			355			360				
Ala	Ser	Gln	Ser	Ala	Ala	Tyr	Val	Val	Met	Pro	Met	Arg	Leu					
		355			360			365			370			375				

<210>	6
<211>	7
<212>	PRT
<213>	Artificial Sequence

<220>
<223> synthetic peptide - derived from SEQ ID NO 1

<400> 6

Arg Gln Leu Val Leu Gly Leu
1 5